



2681

<b>TRANSMITTAL FORM</b>	Application Number	09/973,510
	Filing Date	09Oct2001
	First Named Inventor	King, Thomas M
	Group Art Unit	.2681
	Examiner Name	
Total Number of Pages in this Submission	Attorney Docket Number	CS11407

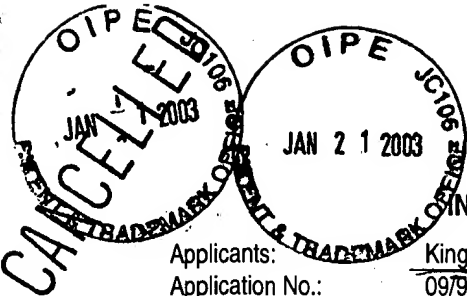
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<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Licensing-Related papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/Declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter with appropriate copies
<input type="checkbox"/> Extension of time Request	<input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address	<input type="checkbox"/> Other Enclosure(s) (please identify below)
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Response to Restriction Requirement
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	<input type="checkbox"/> Associate Power of Attorney
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<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	Remarks	
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm or Individual	Roland K Bowler II	Registration No.	33,477
Signature			
Date	15 JAN 2003		

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage thereon, as first-class mail, in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on the date listed below:			
Typed or printed name	June E. Edwards		
Signature	June E. Edwards	Date	01/16/03



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: King, Thomas M  
Application No.: 09/973,510  
Date Filed: 09Oct2001  
Title: Satellite Positioning System Receiver with Reference Oscillator Circuit and Methods Therefor

Group Art Unit: 2681  
Examiner:  
Batch No.:

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MOTOROLA INC.

Name of Assignee

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DATE

INFORMATION DISCLOSURE STATEMENT (IDS)

Assistant Commissioner For Patents  
Washington, D.C. 20231

SIR:

In accordance with 37 C.F.R. §1.56 and in compliance with 37 C.F.R. §§1.97 and 1.98, the references listed on attached Form PTO/SB/08 and/or subsequently identified herein, are being submitted herewith for consideration by the United States Patent and Trademark Office.

I. COPIES

- a. ☒ A legible copy of (i) each U.S. and foreign patents; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed, is included herewith.
- b. ☐ Any patents, publications or other information which are listed on PTO/SB/08 which are not enclosed herewith were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. §120:

U.S. Serial Number

U.S. Filing Date

II. CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)

- a. ☒ Except as may be indicated below in (b) of this section, all of the patents, publications or other information are in the English language (concise explanation not required).
- b. ☐ A concise explanation of the relevance of all patents, publications or other information listed that is not in the English language is as follows:
- c. ☐ The following additional information is provided for the Examiner's consideration:

III. ☐ CROSS REFERENCE TO RELATED APPLICATION(S)

The Examiner is advised that the following co-pending application(s) contain(s) subject matter that may be related to the present application. By bringing this (these) applications to the Examiner's attention, Applicant(s) does(do) not waive the confidentiality provisions of 35 U.S.C. §122.

Serial No.

Filing Date

Art Unit

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## FEES

- IV. ☒ THIS IDS IS BEING FILED UNDER 37 C.F.R. §1.97(b): (check one box)
- a. ☐ within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. §1.97(b)(1)). No fee or statement is required.
  - b. ☐ within three months of the date of entry of the national stage as set forth in § 1.491 in an international application (37 C.F.R. §1.97(b)(2)). No fee or statement is required.
  - c. ☒ before the mailing date of a first Office Action on the merits (37 C.F.R. §1.97(b)(3)). No fee or statement is required.
  - d. ☐ before the mailing date of a first Office Action after the filing of a request for continued examination under § 1.114 (37 C.F.R. § 1.97(b)(4)). No fee or statement is required.
- V. ☐ THIS IDS IS BEING FILED UNDER 37 C.F.R. §1.97(c): (check one box)  
before the mailing date of any of a Final Office Action under 37 C.F.R. §1.113, a Notice of Allowance under 37 C.F.R. §1.311, or an action that otherwise closes prosecution in the application (See 37 C.F.R. §1.97(c)).
- a. ☐ No statement; therefore, charge Deposit Account **502117** the fee set forth in 37 C.F.R. §1.17(p).
  - b. ☐ See the statement below. No fee is required.
- VI. ☐ THIS IDS IS BEING FILED UNDER 37 C.F.R. §1.97(d):  
on or before payment of the issue fee and is accompanied by the following:
- 1) a statement under 37 C.F.R. §1.97(e) as provided below; and
  - 2) charge Deposit Account **502117** the petition fee set forth in §1.17(p).
- VII. ☐ STATEMENT UNDER 37 C.F.R. §1.97(e) (check only one box, if applicable)  
The undersigned hereby states that
- a. ☐ each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of IDS; or
  - b. ☐ no item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application, and to knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the IDS was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this statement, or
  - c. ☐ some of the items of information contained in the IDS were cited in a communication from a foreign Patent Office. As to this information, the undersigned states that each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby states that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the IDS was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this statement.
- VIII. PAYMENT OF FEES
- ☐ A check in the amount of \_\_\_\_\_ is enclosed for the above-identified fee(s).
  - ☐ Please charge Deposit Account No. **502117** in the amount of \$180.00 for the above-indicated fee(s).
  - ☒ If Applicant has overlooked any additional fees, or if any overpayment has been made, the Commissioner is hereby authorized to credit or debit Deposit Account **502117**.
  - ☒ Two Copies of this paper are attached for Deposit Account charges and debits.

The above references are being cited only in the interests of candor and without any admission that they constitute statutory prior art or contain matter which anticipates the invention or which would render the same obvious, either singly or in a combination, to a person of ordinary skill in the art.

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 502117.

Respectfully submitted,  
King, Thomas M



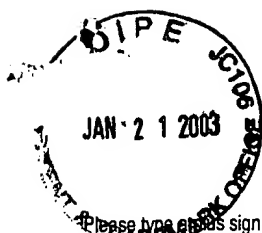
Roland K Bowler II  
Attorney for Applicant(s)  
Reg. No. 33,477  
Tel. 847-523-3978

MOTOROLA, INC.  
Customer Number 20280

Enclosures:

☒  
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PTO/SB/08  
References  
Foreign Search Report  
Other:



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Substitute for form 1449A/PTO		<b>Complete if Known</b>		<b>RECEIVED</b> <b>JAN 22 2003</b> <b>Technology Center 2600</b>
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	09/973,510	
		Filing Date	09Oct2001	
		First Named Inventor	King, Thomas M	
		Group Art Unit	2681	
		Examiner Name		
Sheet		of	Attorney Docket Number	CS11407

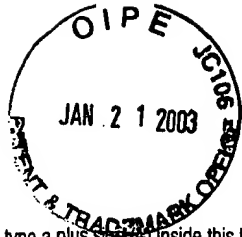
U. S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. 1	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
		4,297,657		Frerking	10-27-1981	
		4,797,677		MacDoran et al	01-10-1989	
		4,906,944		Frerking	03-06-1990	
		5,148,452		Kennedy, et al	09-15-1992	
		5,175,557		King et al	12-19-1992	
		5,436,632		Sheynblat	07-25-1995	
		5,654,718		Beason et al	08-05-1997	
		5,731,786		Abraham et al	03-24-1998	
		5,786,773		Murphy	07-28-1998	
		5,786,789		Janky	07-28-1998	
		5,884,220		Farmer et al	03-16-1999	
		5,889,492		Kurby et al	03-30-1999	
		6,064,336		Krasner	05-16-2000	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. 1	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>2</sup> (if known)				
			DE 19537923		Germany	04-17-1997		
			DE 19731702		Germany	04-09-1998		
			EP 0493784		Europe	07-08-1992		
			EP 0526040		Europe	02-03-1993		
			EP 0604404		Europe	06-10-1998		
			EP 0871300		Europe	10-14-1998		
			EP 1046924		Europe	10-25-2000		
			GB 2264837		United Kingdom	09-08-1993		
			GB 2324218		United Kingdom	10-14-1998		
			GB 2349760		United Kingdom	11-08-2000		
			JP 8015404		Japan	01-19-1996		
			WO 97/47985		PCT	12-18-1997		
			WO 98/00727		PCT	01-08-1998		
			WO 98/09181		PCT	03-05-1998		
			WO 99/54753		PCT	10-28-1999		

Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation, if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached.



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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	09/973,510		
		Filing Date	09Oct2001		
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**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Bloebaum, Scott; <u>Low Complexity Assisted GPS Positioning</u> , T1P1.5/98-440, September 1998	
		Enge, P. et al, <u>Design of the Signal and Data Format for Wide Area Augmentation of the Global Positioning System</u> , PLANS '96, April 1996, pp. 485-495	
		<u>FCC Acts To Promote Competition &amp; Public Safety in Enhanced Wireless 911 Services</u> , FCC, September 15, 1999	
		Fox, Barry, New Scientist; <u>Military precision for civilian GPS</u> ; May 11, 1996, Page 22	
		Spalding, J.W. et al., <u>Differential GPS Integrity Monitor</u> , PLANS '94, April 1994, pp. 225-232	
		Zhao, <u>Mobile Phone Location Technologies</u> , Proceedings of antenna Symposium '99, Motorola,, October 1999	
		Zhao, <u>Simplified GPS Assistance Protocol</u> , 71P1.5/99-569.0, Motorola, September 10, 1999	

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Examiner Signature		Date Considered	
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